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L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS

AN 1988:55768 HCAPLUS

DN 108:55768

TI Preparation of new neothramycin derivatives and their use as antibiotics and antitumor agents

IN Langlois, Nicole; Andriamialisoa, Ratremaniaina Z.

PA Centre National de la Recherche Scientifique, Fr.

SO Fr. Demande, 41 pp.

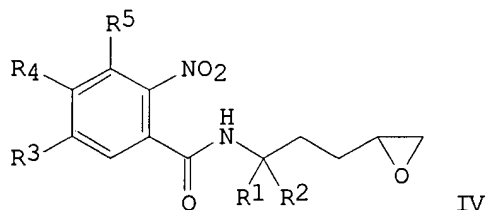
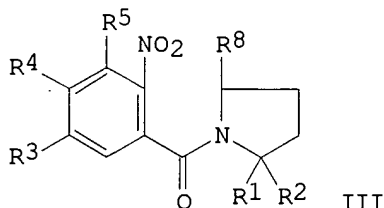
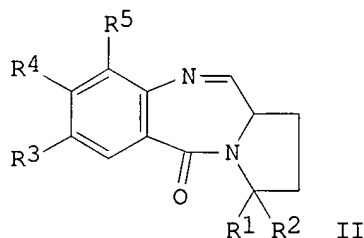
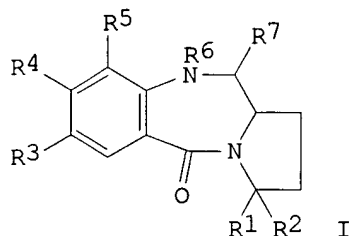
CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2586683	A1	19870306	FR 1985-12882	19850829 <--
	FR 2586683	B1	19880701		
OS	CASREACT 108:55768				
GI					



AB The title compd. (I; II; R1, R2 = H, OH, alkoxy, alkanoyl, or R1R2 = CO; R3, R4, R5 = H, halo, OH, alkoxy, alkanoyl, or any two of them = OCH2O; R6 = H, alkyl, alkanoyl; R7 = H, OH, alkoxy, alkanoyl, HS, alkylthio, cyano, etc.), useful as antibiotics and antitumors, are prepd. N-Benzoylpyrrolidine III (R1 = MeO, R2 = R3 = R4 = R5 = H, R8 = CHO), prepd. in several steps via the appropriate N-[(epoxypentyl)benzamide IV and III (R8 = CH2OH), in MeOH/EtOAc was hydrogenated over Raney Ni over 0.5 h to give 62% the corresponding II. I were active against sarcoma 180 and P 388 and L 1210 leukemia cells (exptl. details not described.).

IT 67-56-1, reactions

RL: RCT (Reactant)

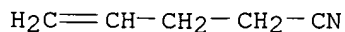
(addn. reaction of, with cyanobutene)

RN 67-56-1 HCAPLUS

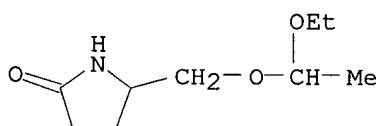
CN Methanol (8CI, 9CI) (CA INDEX NAME)

H3C-OH

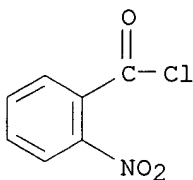
IT **592-51-8**  
 RL: RCT (Reactant)  
 (addn. reaction of, with methanol)  
 RN 592-51-8 HCAPLUS  
 CN 4-Pentenitrile (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



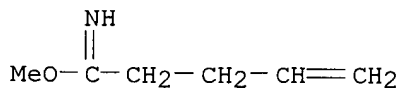
IT **67040-46-4**  
 RL: RCT (Reactant)  
 (amidation by, of benzoyl chloride deriv.)  
 RN 67040-46-4 HCAPLUS  
 CN 2-Pyrrolidinone, 5-[(1-ethoxyethoxy)methyl]- (9CI) (CA INDEX NAME)



IT **610-14-0**, o-Nitrobenzoyl chloride  
 RL: RCT (Reactant)  
 (amidation of, by methoxypentenylimine)  
 RN 610-14-0 HCAPLUS  
 CN Benzoyl chloride, 2-nitro- (9CI) (CA INDEX NAME)



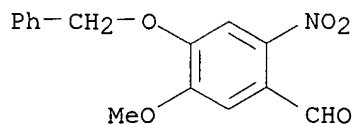
IT **104783-94-0P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and amidation by, of benzoyl chloride deriv.)  
 RN 104783-94-0 HCAPLUS  
 CN 4-Pentenimidic acid, methylester, hydrochloride (9CI) (CA INDEX NAME)



● HCl

IT **2426-84-8P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and oxidn. of)  
 RN 2426-84-8 HCAPLUS

CN Benzaldehyde, 5-methoxy-2-nitro-4-(phenylmethoxy)- (9CI) (CA INDEX NAME)



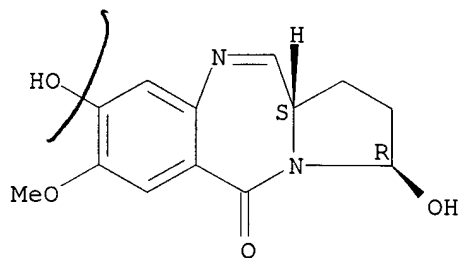
IT 59593-15-6P 59593-16-7P 104769-69-9P  
104833-50-3P 112433-78-0P 112433-79-1P  
112459-02-6P 112459-03-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of, as antibiotic and antitumor)

RN 59593-15-6 HCAPLUS

CN 5H-Pyrrolo[2,1-c][1,4]benzodiazepin-5-one, 1,2,3,11a-tetrahydro-3,8-dihydroxy-7-methoxy-, (3R,11aS)- (9CI) (CA INDEX NAME)

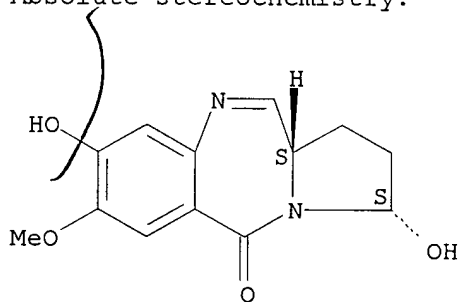
Absolute stereochemistry.



RN 59593-16-7 HCAPLUS

CN 5H-Pyrrolo[2,1-c][1,4]benzodiazepin-5-one, 1,2,3,11a-tetrahydro-3,8-dihydroxy-7-methoxy-, (3S,11aS)- (9CI) (CA INDEX NAME)

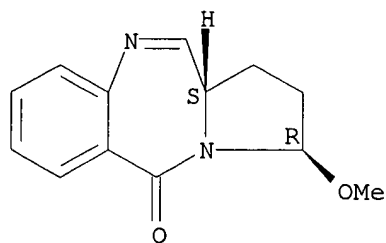
Absolute stereochemistry.



RN 104769-69-9 HCAPLUS

CN 5H-Pyrrolo[2,1-c][1,4]benzodiazepin-5-one, 1,2,3,11a-tetrahydro-3-methoxy-, (3R-cis)- (9CI) (CA INDEX NAME)

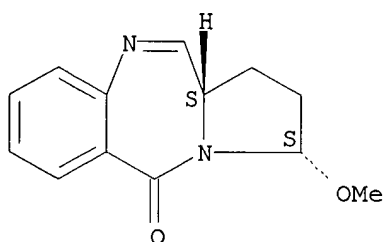
Absolute stereochemistry.



RN 104833-50-3 HCAPLUS

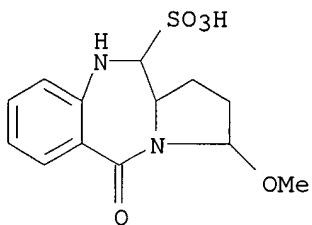
CN 5H-Pyrrolo[2,1-c][1,4]benzodiazepin-5-one, 1,2,3,11a-tetrahydro-3-methoxy-, (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 112433-78-0 HCAPLUS

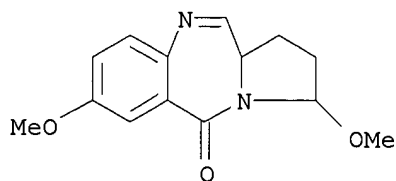
CN 1H-Pyrrolo[2,1-c][1,4]benzodiazepine-11-sulfonic acid, 2,3,5,10,11,11a-hexahydro-3-methoxy-5-oxo-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 112433-79-1 HCAPLUS

CN 5H-Pyrrolo[2,1-c][1,4]benzodiazepin-5-one, 1,2,3,11a-tetrahydro-3,7-dimethoxy- (9CI) (CA INDEX NAME)

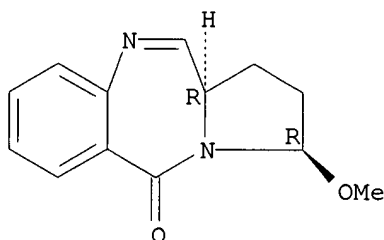


RN 112459-02-6 HCAPLUS

RN 112459-03-7 HCAPLUS

CN 5H-Pyrrolo[2,1-c][1,4]benzodiazepin-5-one, 1,2,3,11a-tetrahydro-3-methoxy-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 104783-96-2P 105027-00-7P 105243-50-3P

105243-53-6P 105243-55-8P 105308-69-8P

105308-70-1P 105308-71-2P 105308-72-3P

105308-73-4P 105308-74-5P 112433-80-4P

112433-81-5P 112433-82-6P 112433-83-7P

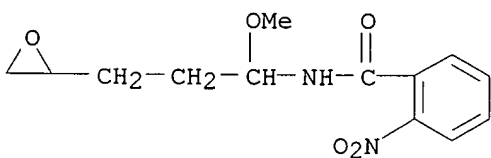
112445-52-0P 112459-04-8P 112459-05-9P

112459-06-0P 112459-07-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of, as intermediate for neothramycins)

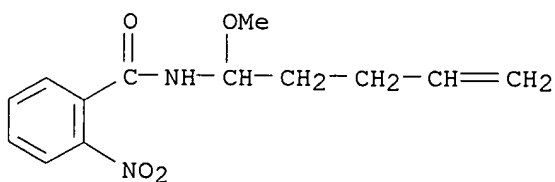
RN 104783-96-2 HCAPLUS

CN Benzamide, N-(1-methoxy-3-oxiranylpropyl)-2-nitro- (9CI) (CA INDEX NAME)

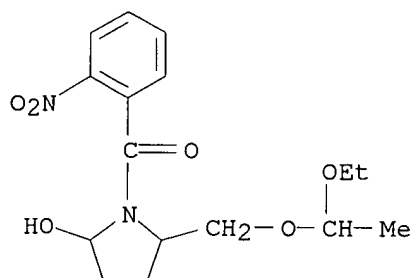


RN 105027-00-7 HCAPLUS

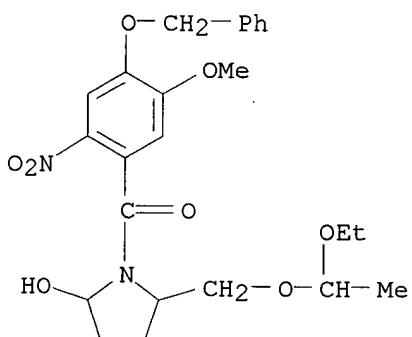
CN Benzamide, N-(1-methoxy-4-pentenyl)-2-nitro- (9CI) (CA INDEX NAME)



RN 105243-50-3 HCAPLUS  
 CN 2-Pyrrolidinol, 5-[(1-ethoxyethoxy)methyl]-1-(2-nitrobenzoyl)- (9CI) (CA INDEX NAME)

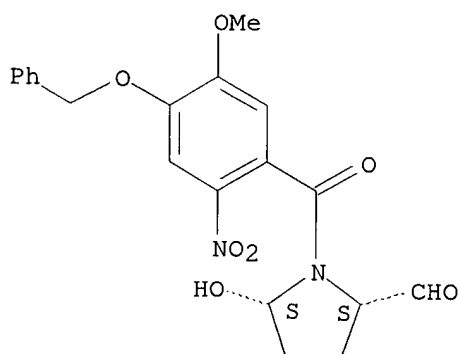


RN 105243-53-6 HCAPLUS  
 CN 2-Pyrrolidinol, 5-[(1-ethoxyethoxy)methyl]-1-[5-methoxy-2-nitro-4-(phenylmethoxy)benzoyl]- (9CI) (CA INDEX NAME)



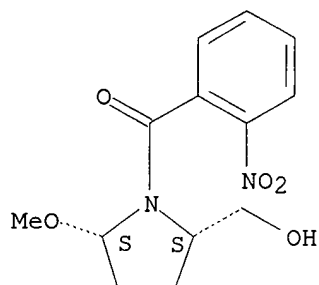
RN 105243-55-8 HCAPLUS  
 CN 2-Pyrrolidinecarboxaldehyde, 5-hydroxy-1-[5-methoxy-2-nitro-4-(phenylmethoxy)benzoyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



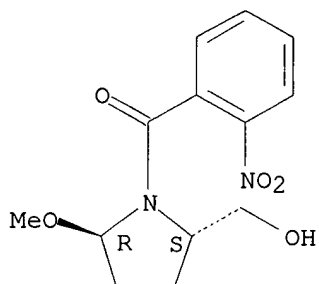
RN 105308-69-8 HCAPLUS  
 CN 2-Pyrrolidinemethanol, 5-methoxy-1-(2-nitrobenzoyl)-, (2S,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



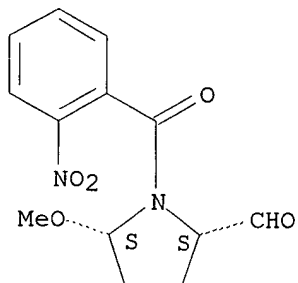
RN 105308-70-1 HCAPLUS  
CN 2-Pyrrolidinemethanol, 5-methoxy-1-(2-nitrobenzoyl)-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 105308-71-2 HCAPLUS  
CN 2-Pyrrolidinecarboxaldehyde, 5-methoxy-1-(2-nitrobenzoyl)-, (2S-cis)- (9CI) (CA INDEX NAME)

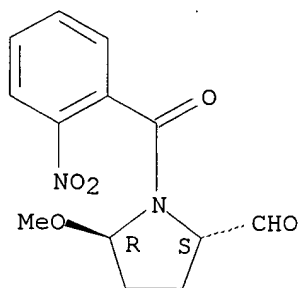
Absolute stereochemistry.



RN 105308-72-3 HCAPLUS  
CN 2-Pyrrolidinecarboxaldehyde, 5-methoxy-1-(2-nitrobenzoyl)-, (2S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

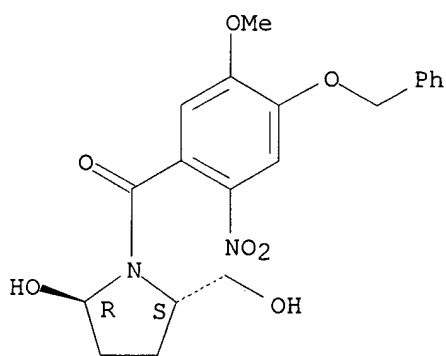




RN 105308-73-4 HCAPLUS

CN 2-Pyrrolidinemethanol, 5-hydroxy-1-[5-methoxy-2-nitro-4-(phenylmethoxy)benzoyl]-, (2S-trans)- (9CI) (CA INDEX NAME)

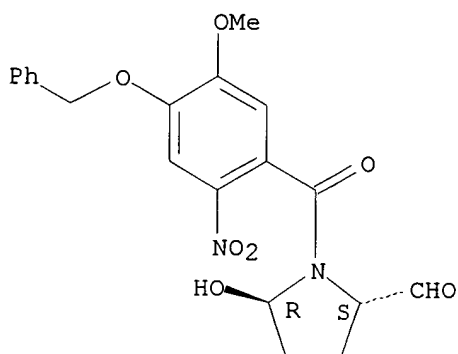
Absolute stereochemistry.



RN 105308-74-5 HCAPLUS

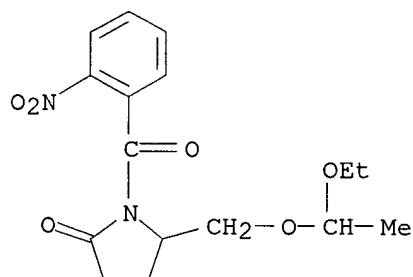
CN 2-Pyrrolidinecarboxaldehyde, 5-hydroxy-1-[5-methoxy-2-nitro-4-(phenylmethoxy)benzoyl]-, (2S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 112433-80-4 HCAPLUS

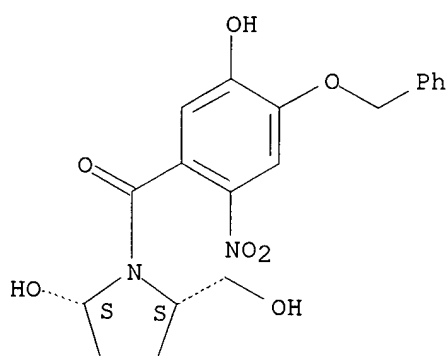
CN 2-Pyrrolidinone, 5-[(1-ethoxyethoxy)methyl]-1-(2-nitrobenzoyl)- (9CI) (CA INDEX NAME)



RN 112433-81-5 HCAPLUS

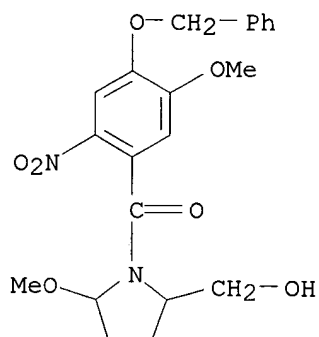
CN 2-Pyrrolidinemethanol, 5-methyl-1-[5-hydroxy-2-nitro-4-(phenylmethoxy)benzoyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



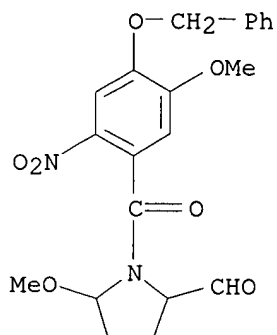
RN 112433-82-6 HCAPLUS

CN 2-Pyrrolidinemethanol, 5-methoxy-1-[5-methoxy-2-nitro-4-(phenylmethoxy)benzoyl]- (9CI) (CA INDEX NAME)

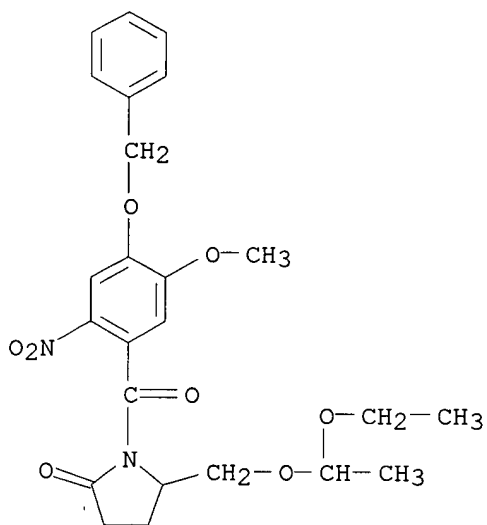


RN 112433-83-7 HCAPLUS

CN 2-Pyrrolidinecarboxaldehyde, 5-methoxy-1-[5-methoxy-2-nitro-4-(phenylmethoxy)benzoyl]- (9CI) (CA INDEX NAME)



RN 112445-52-0 HCAPLUS  
 CN 2-Pyrrolidinone, 5-[(1-ethoxyethoxy)methyl]-1-[5-methoxy-2-nitro-4-(phenylmethoxy)benzoyl]- (9CI) (CA INDEX NAME)



RN 112459-04-8 HCAPLUS  
 RN 112459-05-9 HCAPLUS  
 RN 112459-06-0 HCAPLUS  
 RN 112459-07-1 HCAPLUS  
 IT 100-44-7, reactions  
 RL: RCT (Reactant)  
 (O-benylation by, of nitrovanillin)  
 RN 100-44-7 HCAPLUS  
 CN Benzene, (chloromethyl)- (9CI) (CA INDEX NAME)

Ph-CH<sub>2</sub>-Cl

IT 2454-72-0, 6-Nitrovanillin  
 RL: RCT (Reactant)  
 (O-benylation of)  
 RN 2454-72-0 HCAPLUS  
 CN Benzaldehyde, 4-hydroxy-5-methoxy-2-nitro- (9CI) (CA INDEX NAME)

